Product Support Guide
Model
D101/D102/D103

Introduction

Model Type	**B/W MFP**
Launch Date	**5/2008**
S/N Configuration	**V08/V09/V10**
Product Code	**D101/D102/D103**

Brand/Model Name

Product Code	Lanier	Ricoh	Savin
D101 D102 D103	Pro 906EX Pro 1106EX Pro 1356EX	Pro 906EX Pro 1106EX Pro 1356EX	Pro 906EX Pro 1106EX Pro 1356EX

Product Concept

The new D101/D102/D103 “Pro” series is being introduced to show Ricoh’s commitment to the production printing market with a product line-up that provides:

- High Productivity, Reliability, and Durability.
- Production market oriented specifications.
- New Ring Binder - Industry’s first fully automated online binding system.
- New Perfect Binder - Professional quality booklets with Glue Binding and Three Edge Trimming.

These new features will maximize the overall productivity and value to both the standard and professional customers.

Product Support Guide
Model D101/D102/D103

Order Number
Main Frame

Item	Model Name	EDP Code	Lanier ID	Notes
Copier	Lanier Pro 906EX Ricoh Pro 906EX Savin Pro 906EX	404078	479-1960	
Copier	Lanier Pro 1106EX Ricoh Pro 1106EX Savin Pro 1106EX	404081	479-1961	
Copier	Lanier Pro 1356EX Ricoh Pro 1356EX Savin Pro 1356EX	404084	479-1962	

Options

Item	Description	EDP Code	Lanier ID	Product Code	Common / Unique
TK5000	11” x 17” Tray Kit	412967	481-7049	B331	C
ZF4000	Z-Folding Unit	412805	479-1714	B660	C
RT5000	LT LCT	412968	479-1710	B832	C
RT5010	DLT LCT	412971	479-1711	B834	C
BY5000	Multi Bypass Tray	412974	481-7050	B833	C
SR5000	Finisher	412981	479-1712	B830	C
PU5000	Punch 2/3 Hole for SR5000	412983	481-7052	B831	C
BK5000	Saddle Stitch Booklet Maker	412978	479-1713	B836	C
CI5010	Cover Interposer	404087	481-7634	B835	U
Copy Connect Kit Type 3260	Copy Connect Kit	412415	216-7127	B328	C
Printer/Scanner Kit Type 1356	Printer/Scanner	404094	481-7636	B840	U
PostScript3 Unit Type 1356	Post Script Option	404091	481-7635	-	U
Gigabit Ethernet Type 7300	Gigabit Ethernet	402302	-	G381	C
Bluetooth Interface Unit Type 3245	Bluetooth	412866	481-7142	B826	C
USB Host Interface Type A	USB Host	412867	481-7057	B825	C
Copy Guard Security Unit Type E	Copy Guard	412986	481-7069	B829	C
Data Overwrite Security Unit Type F	Data Security	413107	481-7092	B735	C

Subject to change without notice

Item	Description	EDP Code	Lanier ID	Product Code	Common / Unique
VM Card Type C	VM Card	413019	-	B861	C
IEEE 802.11b Interface Unit Type H	Wireless LAN I/F	403018	-	G813	C
IEEE 1284 Interface Board Type A	IEEE 1284	411699	481-0786	B679	C
IEEE 1964 Interface Board Type B	IEEE 1394	412995	481-0683	B581	C
File Format Converter Type C	MLB	412823	481-7053	B609	C
Ring Binder RB5000	Ring Binder	404112	481-7639	D392	U
Ring Binder Opener RB5000	Ring Binder Opener	404114	481-7640	-	U
Ring Binder Cartridge Type RB5000	Ring Binder Cartridge	404115	481-7641	-	U
Perfect Binder GB5000	Perfect Binder	404099	479-1963	D391	U
Cover Interposer Type GB5000	Cover Interposer for Perfect Binder	404102	481-7638	D391	U
Transit Pass Through Unit Type GB5000	Pass Through Unit for Perfect Binder	404101	481-7637	D391	U

Drum & Developer P/N's

Name/Description	Ricoh	Savin	Gestetner	Lanier	Target Yield
Developer Type 27	B2349640	B2349640	B2349640	GB2349640	500K/bag
Drum	B2349510	B2349510	B2349510	GB2349510	2,000,000

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Model D101/D102/D103

Supplies/Yields

Name/Description	Ricoh	Savin	Gestetner	Lanier ID	Target Yield
Toner MP 1350A (Black)	884944				60,000/btl *
Toner Type 8135 (Black)		9907			60,000/btl *
Toner MP 1350 (Black)			89907		60,000/btl *
Toner for LD190/LD1110/ LD1135 (Black)				480-0382	60,000/btl *
Staple Type L for BK5000 (Saddle Stitch)	411240	9885			2,000/cartridge
Staple Refill Type L for BK5000 (Saddle Stitch)	411241	9886			8,000/carton
Staple CSC860A for BK5000 (Saddle Stitch)			89885		2,000/carton
Staple Refill CSC860B for BK5000 (Saddle Stitch)			89886		8,000/carton
Staple Set Cartridge Type L for BK5000 (Saddle Stitch)				480-0091	2,000/cartridge
Staple Refill Type L for BK5000 (Saddle Stitch)				480-0092	8,000/carton
Staple Type M for SR5000 (Usual Staple)	413013	9908	89908	480-0383	5,000/cartridge
Staple Refill Type M for SR5000 (Usual Staple)	413026	9909	89909	480-0390	25,000/carton
Ring Supply LT White 100 Type A – RB5000	404117			481-7642	75 Binds/cartridge
Ring Supply LT Black 100 Type A – RB5000	404118			471-7643	75 Binds/cartridge
Ring Supply LT White 50 Type A – RB5000	404119			481-7644	75 Binds/cartridge
Ring Supply LT Black 50 Type A – RB5000	404120			481-7645	75 Binds/cartridge
Glue Supply Type A for GB5000	404103			480-0463	Appox 1,300 books

Note: * A4, 6% chart is used to measure the yield.

Subject to change without notice

Option Compatibility

		LT/DLT LCT	Bypass Tray	Perfect Binder	Cover Interposer	Z-Fold Unit	Ring Binder	Saddle Stitch Unit	GBC	Finisher	Plockmatic	Copy Connector	VM Card	Copy Data Security	Dos Unit	File Format Converter
LT/DLT LCT	RT5000 RT5010		Yes	Yes	Yes	Yes	Yes	Yes	Yes	•	Yes	Yes	Yes	Yes	Yes	Yes
Bypass Tray	BY5000	•		Yes	Yes	Yes	Yes	Yes	Yes	•	Yes	Yes	Yes	Yes	Yes	Yes
Perfect Binder	GB5000	Yes	Yes		Yes	Yes	No	No	Yes	•	Yes	No	Yes	Yes	Yes	Yes
Cover Interposer	CI5000	Yes	Yes	Yes		Yes	Yes	Yes	Yes	•	Yes	Yes	Yes	Yes	Yes	Yes
Z-Fold Unit	ZF4000	Yes	Yes	Yes	Yes		Yes	Yes	Yes	•	Yes	Yes	Yes	Yes	Yes	Yes
Ring Binder	RB5000	Yes	Yes	No	Yes	Yes		No	Yes	•	Yes	No	Yes	Yes	Yes	Yes
Saddle Stitch Unit	BK5000	Yes	Yes	No	Yes	Yes	No		Yes	•	Yes	Yes	Yes	Yes	Yes	Yes
GBC	StreamPunch III	Yes	Yes	Yes	Yes	Yes	Yes	Yes		•	Yes	Yes	Yes	Yes	Yes	Yes
Finisher	SR5000	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes
Plockmatic Booklet maker	BK5010	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	•		Yes	Yes	Yes	Yes	Yes
Copy Connector	Type 3256	Yes	Yes	No	Yes	Yes	No	Yes	Yes	•	Yes		Yes	Yes	Yes	Yes
VM Card	Type C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	•	Yes	Yes		Yes	Yes	Yes
Copy Data Security	Type E	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	•	Yes	Yes	Yes		Yes	Yes
Data Overwrite Security Unit	Type E	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	•	Yes	Yes	Yes	Yes		Yes
File Format Converter	Type C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	•	Yes	Yes	Yes	Yes	Yes	

		LT/DLT LCT	Bypass Tray	Perfect Binder	Cover Interposer	Z-Fold Unit	Ring Binder	Saddle Stitch Unit	GBC	Finisher	Plockmatic	Copy Connector	VM Card	Copy Data Security	Dos Unit	File Format Converter
GW	RCPS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	•	Yes	Yes	Yes	Yes	Yes	Yes
	PCL5/6e	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	•	Yes	Yes	Yes	Yes	Yes	Yes
	PS3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	•	Yes	Yes	Yes	Yes	Yes	Yes
EFI	EB-135	Yes	Yes	No	Yes	Yes	No	Yes	Yes	•	Yes	Yes	Yes	Yes	Yes	Yes
	MicroPress	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	•	Yes	Yes	Yes	Yes	Yes	Yes

Yes	Option Compatible
No	Option Not Compatible
•	Option Required

Branding Information

Branding is required as the machines are shipped as a generic version.

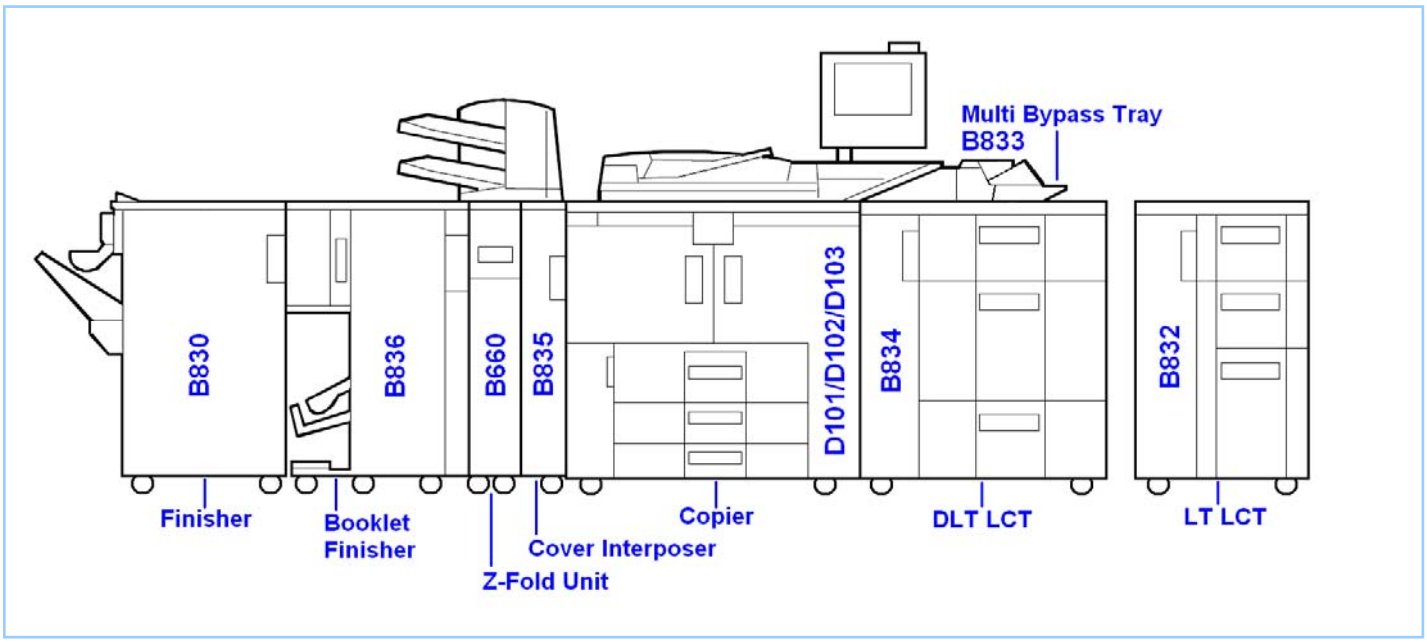
Ricoh version machines: You must attach the model label (provided) to the front cover.

Savin/Lanier: You must attach the model label (provided) to the front cover and set the Plug and Play name with SP 5-907.

Configuration

Main Frame Configuration

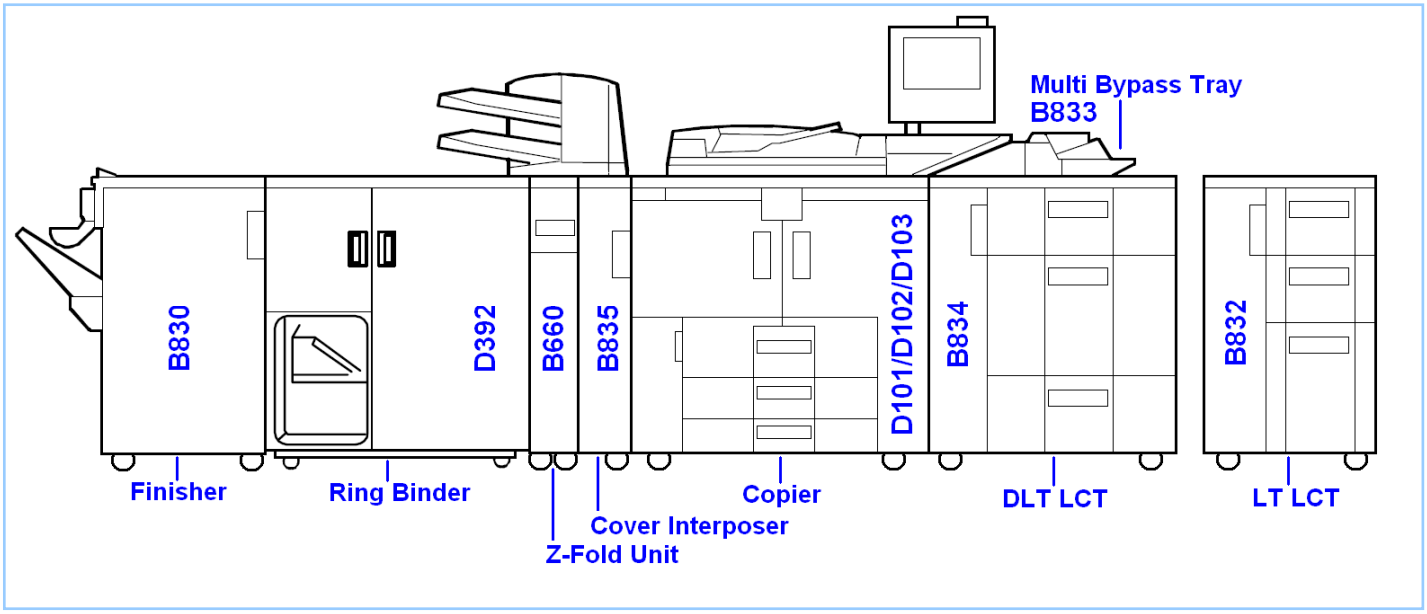
Full system configuration with Booklet Finisher B836.



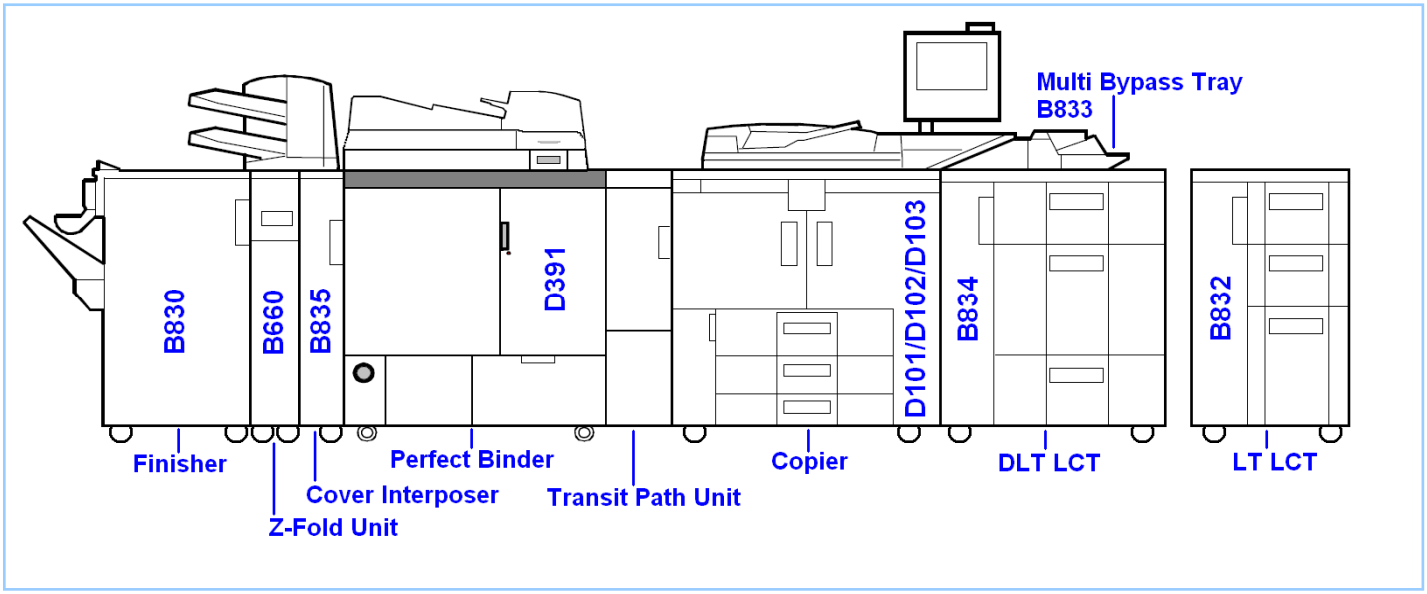
Note: B830 Finisher is required when installing the B836 Booklet Finisher.

Subject to change without notice

Full system configuration with Ring Binder D392



Full system configuration with Perfect Binder D391

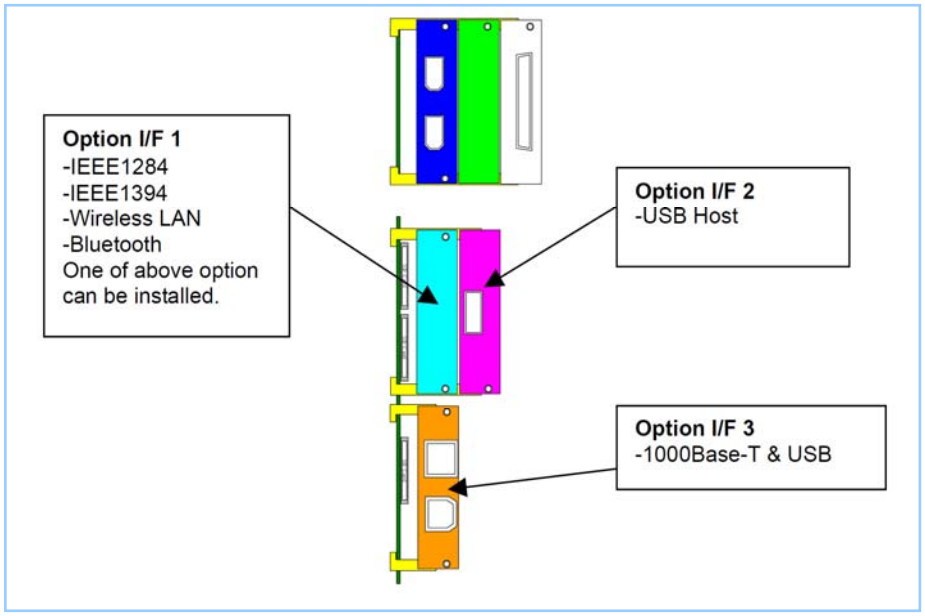


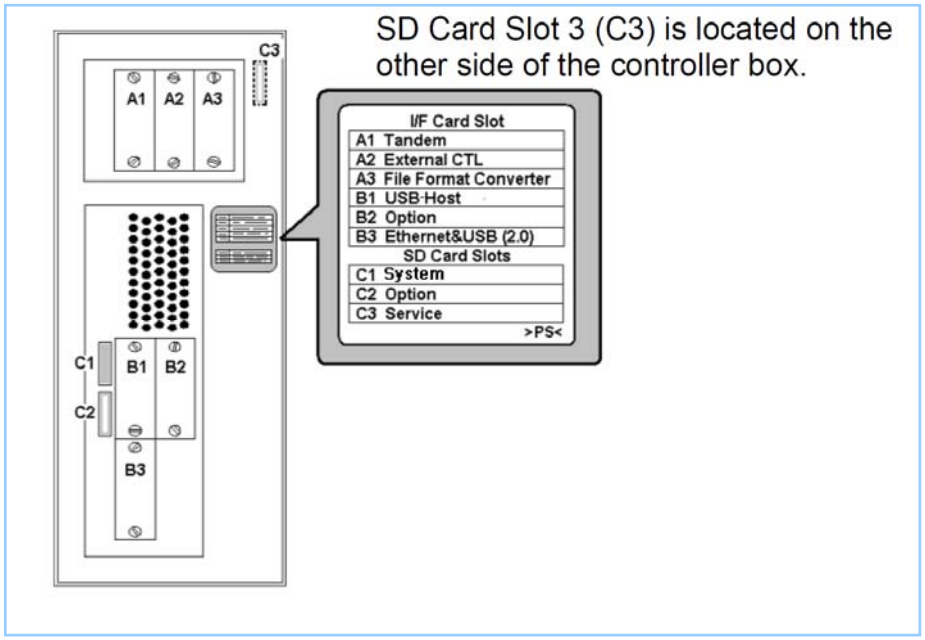
Note: The following combinations are not supported and cannot be configured together:

- ***RT5000 LT/LCT and the RT5010 DLT/LCT.***
- ***Ring Binder RB5000 and the Perfect Binder GB5000.***
- ***Ring Binder RB5000 and the BK5000 Saddle Stitch Unit.***
- ***Perfect Binder GB5000and the BK5000 Saddle Stitch Unit.***

MFP Options

MFP Option Board Slot / SD Card Assignments





Subject to change without notice

Feature Comparison To Previous version

Item	D101/D102/D103 Printer Controller	B234/B235/B236 Print Controller
Type	Embedded	Embedded
Print speed	135/110/90 ppm	135/110/90 ppm
CPU	Intel Celeron LV 866MHz	Intel Celeron LV 866MHz
Memory	Standard: 512MB with additional 256MB memory (Note 1)	Standard: 512MB with additional 256MB memory (Note 1)
Interface	Standard: Ethernet 100 Base-TX/10 base-T USB2.0 Option: IEEE1284 Type C IEEE 1394 IEEE802.11b (Wireless LAN) 1000 Base-T (Gigabit) Ethernet Bluetooth USB Host	Standard: Ethernet 100 Base-TX/10 base-T USB2.0 Option: IEEE1284 Type C IEEE 1394 IEEE802.11b (Wireless LAN) 1000 Base-T (Gigabit) Ethernet Bluetooth USB Host
Network protocol	TCP/IP, IPX/SPX, Ether Talk Ether Talk, SMB	TCP/IP, IPX/SPX, Ether Talk Ether Talk, SMB
Print language	Standard: RPCS, PCL5e/6 Option: Adobe PostScript 3	Standard: RPCS, PCL5e/6 Option: Adobe PostScript 3
Supported OS	Win 2000, Win XP, Win Vista Win Server 2003 , Macintosh UNIX	Win 9x/ME, Win NT4.0 (Note 3) Win 2000, Win XP Win Server 2003 Macintosh, UNIX
Resolution	RPCS: 1200/600/300/200dpi PCL6: 1200/600dpi PCL5e: 600/300 dpi PS3: 1200/600/300 dpi (Note 2)	RPCS: 1200/600/300/200dpi PCL6: 1200/600dpi PCL5e: 600/300 dpi PS3: 1200/600/300 dpi (Note 2)
HDD	Standard 320GB (160GB x 2) RAID	Standard 320GB (160GB x 2) RAID
Utility software	Smart Device Monitor for Admin Smart Device Monitor for Client, Printer Utility for Mac, IEEE1394 utility, USB Printing Support Desk Top Binder Lite, Scan Router Lite	Smart Device Monitor for Admin Smart Device Monitor for Client, Printer Utility for Mac, IEEE1394 utility, USB Printing Support Desk Top Binder Lite, Scan Router Lite

Note 1: Additional 256MB memory is included in the Printer/Scanner Option. (Two other 128MB memory DIMMS are to installed on the motherboard to enable the machine to function as MFP.)
Note 2: 300 dpi cannot be selected from PostScript printer driver. Select from “PS menu” in “User Tools” from the main unit.
Note 3: Windows 9x/ME/NT4.0 drivers are not available from website after April 2008.

Subject to change without notice

Installation

Installation Requirements

Temperature Range:	10° C to 32° C (50° F to 89.6° F)
Humidity Range:	15% to 80% RH
Ambient Illumination:	Less than 1,500 lux (do not expose to direct sunlight)
Ventilation:	3 times/hr/person
Ambient Dust:	Less than 0.075 mg/m^3 (2.0 x 10-6oz/yd^3)
Avoid areas exposed to sudden temperature changes:	
	Areas directly exposed to cool air from an air conditioner.
	Areas directly exposed to heat from a heater.
Do not place machine where it will be exposed to corrosive gas or vapor.	
Do not install the machine at any location over 2,000m (6,500 ft.) above sea level.	
Place the machine on a strong and level base floor base.	
Do not place the machine where it may be subject to strong vibrations.	
Do not connect the machine to a power source shared with another electrical appliance.	
The machine can generate an electromagnetic field that could interfere with radio or television reception.	
Machine level	• Front to back: within 5mm (0.2”) of level
	• Right to left: within 5mm (0.2”) of level

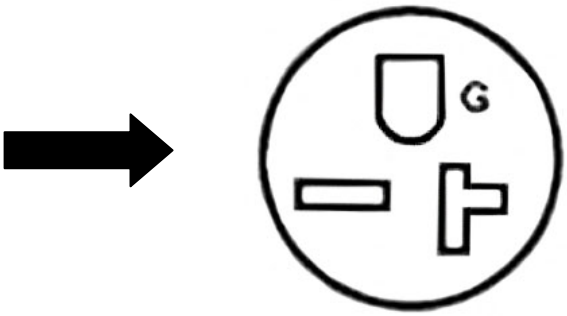
NOTE: The machine legs may be raised or lowered in order to level the machine. Use a carpenter’s level on the exposure glass.

Power Requirements

Input voltage level: **208 ~240, 60Hz**

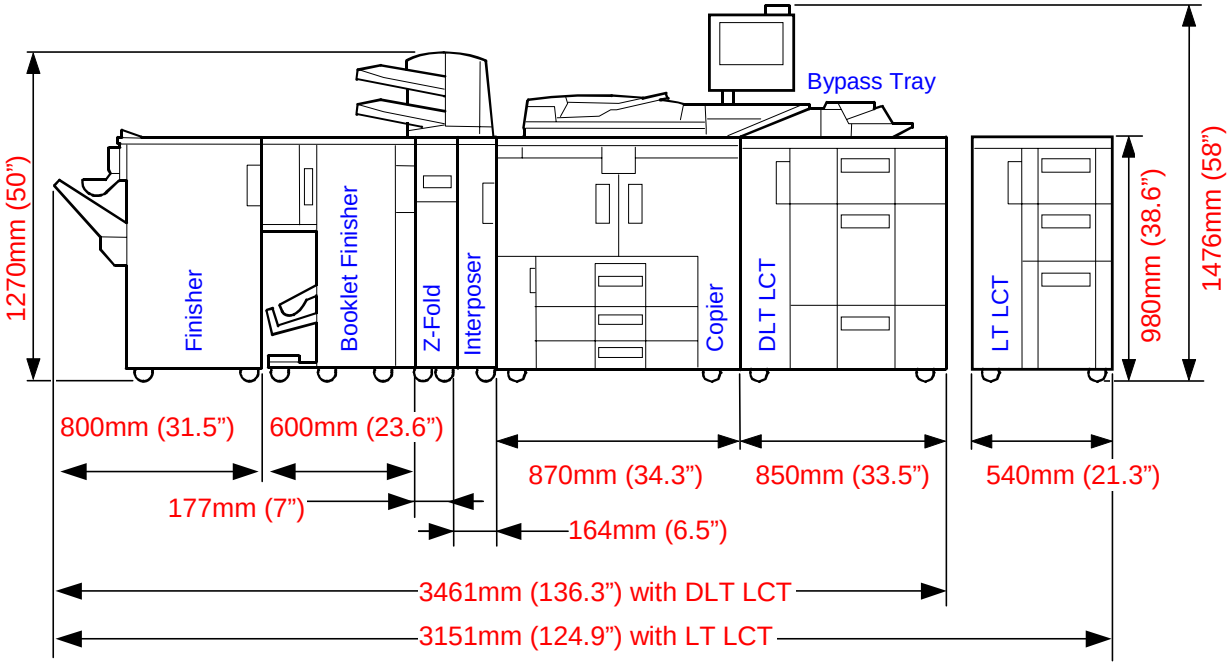
Permissible voltage fluctuation +/- 10%

The required wall outlet is a **NEMA 6-20R.**



System Space Requirements

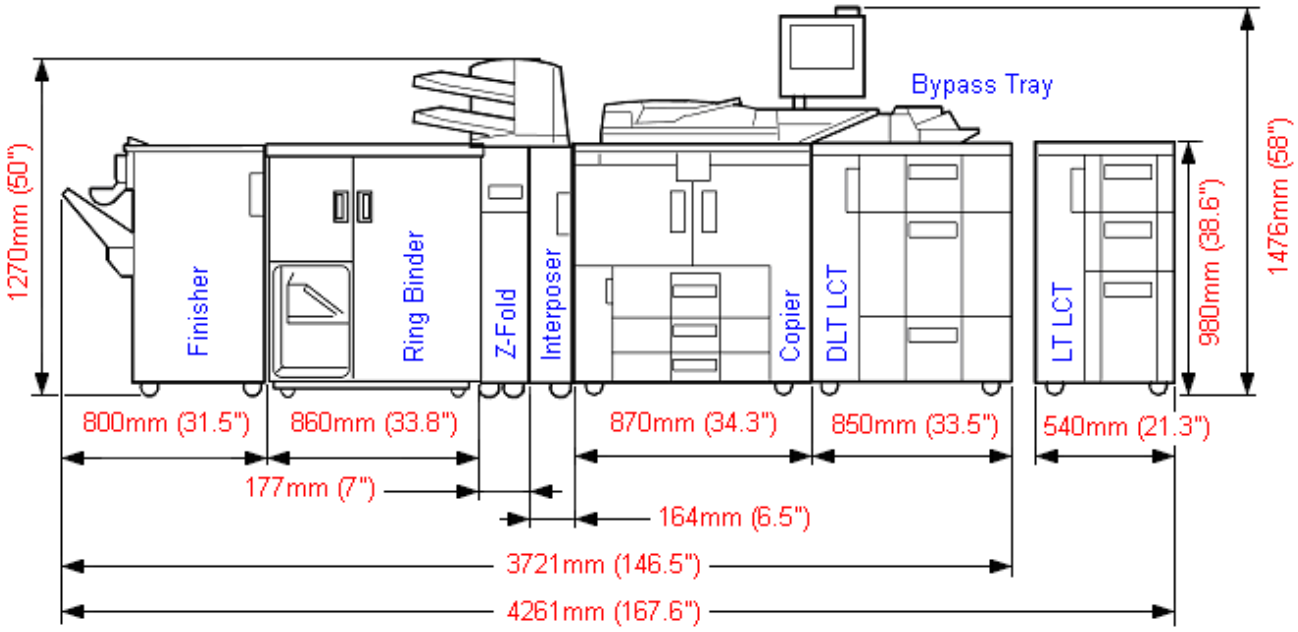
Maximum configuration with Booklet Finisher B836



Approximate space required (With Booklet Finisher B836).

LCT	Meters	Feet
DLT LCT B833	3.5	11.4
LT LCT B832	3.2	10.4

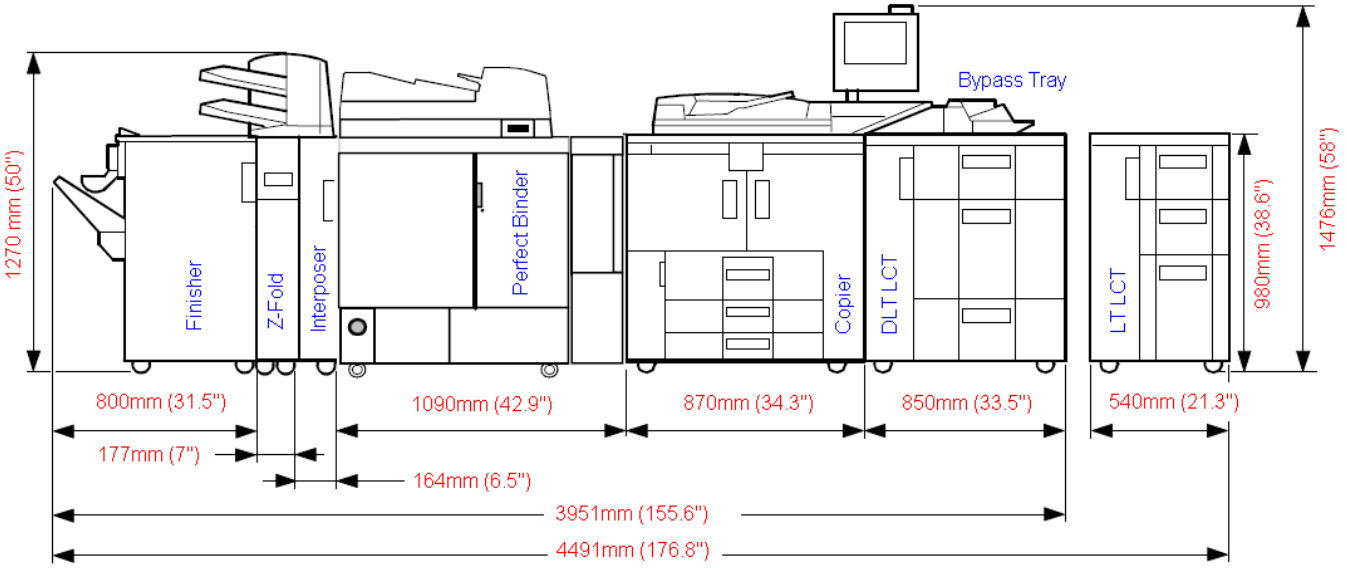
Maximum configuration with Ring Binder D392.



Approximate Space Required (All Options with Ring Binder D392).

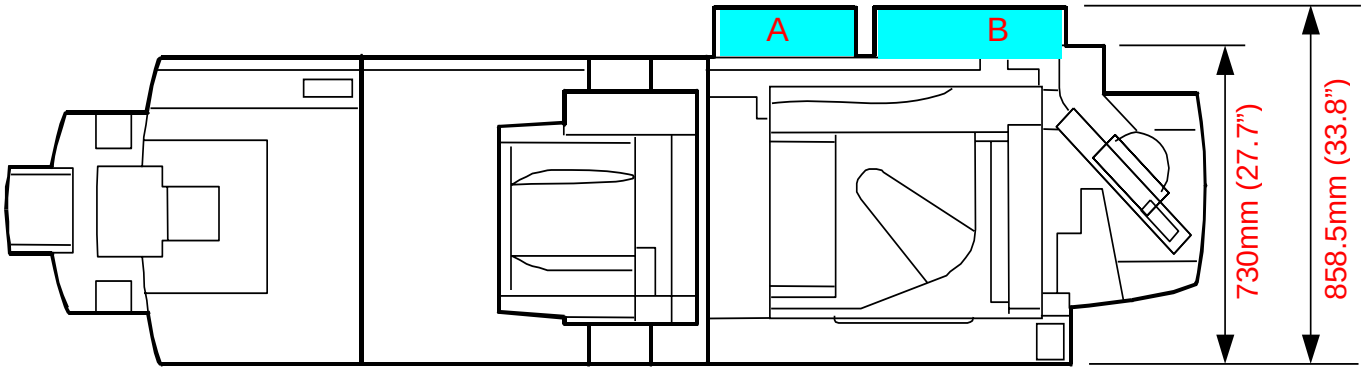
LCT	Meters	Feet
DLT LCT B833	3.7	12.2
LT LCT B832	3.4	11.2

Maximum configuration with Perfect Binder D391.



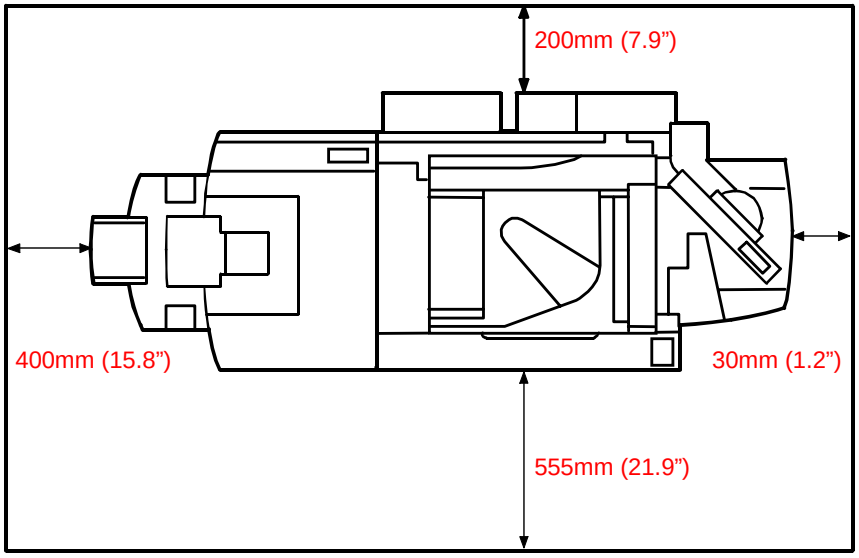
Approximate Space Required (All Options with Perfect Binder D391).

LCT	Meters	Feet
DLT LCT B833	4	13
LT LCT B832	3.6	12



- ***The controller box door [A] and PSU door [B] on the back of the machine swing open for servicing, 20 inches is required at the rear of the machine to completely swing open both doors.***
- ***Both doors can be removed to allow the machine to pass through a narrow doorway.***

Minimum System Space Requirements



Product Support Guide
Model D101/D102/D103
Power Consumption / Noise Emission

Power Consumption

Watts

Mode	Mainframe Only			Full System*		
	D101	D102	D103	D101	D102	D103
Warm-up	2210 W	2190 W	2240 W	2290 W	2250 W	2310 W
Stand-by	367 W	403 W	431 W	420 W	457 W	479 W
Copying	1680 W	1890 W	2160 W	1830 W	2110 W	2340 W
Maximum	2940 W	2960 W	3730 W	3060 W	3080 W	3850 W

BTU

Mode	Mainframe Only			Full System*		
	D101	D102	D103	D101	D102	D103
Warm-up	7548 BTU	7479 BTU	7650 BTU	7814 BTU	7677 BTU	7882 BTU
Stand-by	1253 BTU	1376 BTU	1472 BTU	1433 BTU	1559 BTU	1634 BTU
Copying	5738 BTU	6455 BTU	7377 BTU	6244 BTU	7200 BTU	7984 BTU
Maximum	10041 BTU	10109 BTU	12739 BTU	10441 BTU	10509 BTU	13137 BTU

**** Full System Mainframe + ADF + LCT B834 or B832 + Multi-Bypass Tray B833 + Cover Interposer Tray B835 + Z-Fold Unit B660 + Booklet Finisher B836 + 3000-Sheet Finisher B830***

Energy Star

	D101 (90 cpm)		D102 (110 cpm)		D103 (135 cpm)	
	Basic	MFP	Basic	MFP	Basic	MFP
Low Power Mode						
Power Consumption (W)	113.3	120.1	129.4	134.5	121.1	127.1
Default Interval (Min.)	15	15	15	15	15	15
Recovery Time (Sec.)	36	36	37	34	81	82
Off Mode						
Power Consumption (W)	4.1	---	4.0	---	4.0	---
Default Interval (Min.)	90	---	120	---	120	---
Sleep Mode						
Power Consumption (W)	---	35.5	---	35.3	---	35.6
Default Interval (Min.)	---	90	---	120	---	120

Subject to change without notice

Noise Emission

D101 (90 cpm)		Sound Power Level dB (A)	Sound Pressure Level dB (A)
Mainframe	Stand-by	< 60	-
	Copying	< 74	-
	Operator position	-	< 68
	Passers-by	-	< 68
Full System	Stand-by	< 64	-
	Copying	< 78	-
D102 (110 cpm)		**Sound Power Level dB (A)**	**Sound Pressure Level dB (A)**
Mainframe	Stand-by	< 66	-
	Copying	< 76	-
	Operator position	-	< 70
	Passers-by	-	< 70
Full System	Stand-by	< 70	-
	Copying	< 80	-
D103 (135 cpm)		**Sound Power Level dB (A)**	**Sound Pressure Level dB (A)**
Mainframe	Stand-by	< 74	-
	Copying	< 79	-
	Operator position	-	< 73
	Passers-by	-	< 73
Full System	Stand-by	< 78	-
	Copying	< 83	-

Note: The above measurements were made in accordance with ISO 7779. The measurements were taken from the operator position.

Subject to change without notice

Installation Times

Unit	Time (Minutes)	Unit	Time (Minutes)
90/110/135 cpm Copier	50	Printer/Scanner Unit Type 1356	5
11” x 17” Tray Kit TK5000	15	PostScript3 Unit Type 1350	5
Z-Folding Unit ZF4000	15	Gigabit Ethernet Type 7300	5
LT Large Capacity Tray RT5000	15	Bluetooth Interface Unit Type 3245	5
DLT Large Capacity Tray RT5010	15	USB Host Interface Type A	5
Multi Bypass Tray BY5000	15	Copy Guard Security Unit Type E	5
Finisher SR5000	15	IEEE 802.llb Interface Unit Type H	5
Punch Unit PU5000	10	IEEE 1284 Interface Board Type A	5
Booklet Finisher BK5000	15	IEEE 1394 Interface Board Type B	5
Cover Inserter CI5000	15	File Format Converter Type C	5
Copy Connector Kit Type 3260	5	Data Overwrite Security Unit Type F	5
VM Card Type B	5	Perfect Binder	50
Ring Binder	15		

Storage/Transportation

	Storage	Transportation
Mainframe	-30 ~ 40°C Less than 80% RH Max: 18 months	-30 ~ 50°C 15% ~ 95% RH
Toner *	Less than 40° C 15 ~ 80% RH Max 12 months	Less than 40° C 15 ~ 80% RH
Developer *	Less than 40° C 15 ~ 80% RH Max 12 months	Less than 40° C 15 ~ 80% RH
OPC Drum	-30~ 43° C 15 ~ 90% RH Max 12 months	-30~ 43° C 15 ~ 90% RH

Note: (*1) Do not store more than 12 hours under the temperature between 40 and 50°C. Do not store more than a month under the temperature between 35 and 40°C. Store in a dry, dark place where temperature does not exceed 40℃on continuance storage/transportation conditions.

To prevent blockages in the toner supply path, always perform the TRANSPORTING THE COPIER procedure outlined in the Field Service Manual, prior to transporting the D101/D102/D103 copier. If this procedure is not done**, SC592** (Toner Bank Motor Error) or **SC495** (Toner Bottle Unit Error) may occur, requiring replacement of the toner transport hose and toner supply coil.

Parts / Special Tools / Maintenance
PM Parts / Yields

Mainframe

Unique/Common
U: Unique for this model
C: Common with other model

D101/D102/D103

Part Number	Description	Q'ty/ Unit	PM Interval	Unique or Common	
Fusing					
AE011108	Hot Roller: DIA80	1	700k	B234/B235	
AE011110	Hot Roller: DIA80: Type C	1	700k	B236	
AE020159	Pressure Roller: DIA80	1	750k	B234/B235/B236	**Included in 700K PM Kit**
AE045054	Roller: Cleaning felt: 24M:Ass'y	1	750k	B234/B235/B236	
AE040067	Roller: Cleaning Felt: Plate	1	750k	B234/B235/B236	
AE044044	Stripper Pawls: Ring: Ass'y	5	700k	B234/B235/B236	
B0704418	Pad: Brake: Oil Supply Roller	1	750k	B234/B235/B236	
Scanner					
B0701790	Exposure Glass: Ass'y	1	1,000K	B234/B235/B236	
Development Unit					
B2343701	Collection Bottle: Vacuum: Ass'y	1	3,000k	B234/B235/B236	
B2343094	Air Pump: Development: Ass'y	1	2,500k	B234/B235/B236	
B2349640	Developer	1		B234/B235/B236	
Paper Feed					
AF031080	Paper Feed Roller: Feed	3	1,000k	B234/B235/B236	
AF030080	Paper Feed Roller: Pickup	3	1,000k	B234/B235/B236	
AF032080	Paper Feed Roller: Separation	3	1,000k	B234/B235/B236	
Around Drum					
B2343590	Brush Roller: Cleaning	1	550k	B234/B235/B236	**Included in 500K PM Kit**
B2343637	Filter Cleaning	2	500k	B234/B235/B236	
B2343564	Blade: Cleaning: Ass'y	1	550k	B234/B235/B236	
B2342128	Wire: Charge Corona	1	500k	B234/B235/B236	
B2342113	Grid: Charge Corona	1	500k	B234/B235/B236	
B2342123	Cushion: Wire	2	500k	B234/B235/B236	
A0962063	Corona Wire Cleaner	1	500k	B234/B235/B236	
B2342158	Filter: Around The Photoconductor	1	550k	B234/B235/B236	
B2342155	Grid: Charge Corona: Pre	1	500k	B234/B235/B236	
B2342156	Wire: Charge Corona: Pre	1	500k	B234/B235/B236	
AD025022	Pickoff Pawl: Swivel	2	1,100k	B234/B235/B236	**Included in 1,100K PM Kit**
B2343971	Transfer Belt	1	1,100k	B234/B235/B236	
B2343916	Blade: Transfer Belt: No.1 2:Ass'y	1	1,100k	B234/B235/B236	
B0702076	Ozone Filter: 50x150x40	1	15,000k	B234/B235/B236	

PM Table Continued…

Part Number	Description	Q'ty/ Unit	PM Interval	Unique or Common	
ADF					
B3011442	Transport Belt	1	140k org	B234/B235/B236	**Included in ADF PM Kit**
A8592241	Reverse Roller: Paper Feed	1	120k org	B234/B235/B236	
B4772225	Pickup Roller	1	120k org	B234/B235/B236	
A8061295	Paper Feed Belt	1	120k org	B234/B235/B236	

PM Kits

PM Kit	Part Number
500K PM Kit	PMB234500K
700K PM Kit	PMB234700K
1,100K PM Kit	PMB2341100K
ADF PM Kit	PMB234ADFK

Options

Unique/Common
U: Unique for this model
C: Common with other model

LCT : B834

Part Number	Description	Q'ty/ Unit	PM Interval	Unique or Common
AF031081	Paper Feed Roller: Feed: Manual Feed	3	1,000k	B234/B235/B236
AF030080	Paper Feed Roller: Pickup	3	1,000k	B234/B235/B236
AF032080	Paper Feed Roller: Separation	3	1,000k	B234/B235/B236

By-Pass Tray: B833

Part Number	Description	Q'ty/ Unit	PM Interval	Unique or Common
AF031081	Paper Feed Roller: Feed: Manual Feed	1	1,000k	B234/B235/B236
AF030080	Paper Feed Roller: Pickup	1	1,000k	B234/B235/B236
AF032080	Paper Feed Roller: Separation	1	1,000k	B234/B235/B236

Perfect Binder: B391

Part Number	Description	Q'ty/ Unit	PM Interval	Unique or Common
D3911000	Blade: Perfect Binder	1	5.5K cuts	U
D3911271	Trimming Catcher: Perfect Binder	1	40K cuts	U
D3911414	Blade Cradle: Perfect Binder	1	5.5K cuts	U
D3911275	Glue Vat Unit Heater: Perfect Binder	1	2,000 hrs	U

Special Tools & Lubricants

Item	Part Number	Description	Q'ty	Unique or Common
1	A0069104	Scanner Positioning Pin (4pcs/set)	1	B234/B235/B236
2	A2929500	Test Chart – S5S (10 pcs/set)	1	B234/B235/B236
3	A0299388	Digital Multimeter – FLUKE 87	1	B234/B235/B236
4	A2579300	Grease Barrierta – S552R	1	B234/B235/B236
5	52039502	Silicon Grease G-501	1	B234/B235/B236
6	B2349590	NVRAM	1	B234/B235/B236
7	G0219350	Loop Back Connector	1	B234/B235/B236
8	B6455010	SD Card	1	B234/B235/B236
9	B6456705	PCMCIA Card Adapter	1	B234/B235/B236
10	B6458620	USB Reader/Writer	1	B234/B235/B236
11	A2949590	Paper Dust Cleaner-5pcs/set	1	B234/B235/B236
12	TBA	Signature thickness jig	1	U
13	---	Ricoh System Information Tool (Support Tool Version 2) 973- - .Basic version - Mail version 973- - .Rlogtool (for use with GW controller)	1	C (General)

Note: Loop-back Connector (item 10) requires Plug—IEEE1284 Type C (item 11) and the optional IEEE 1284.

Target Reliability

Model	D101 (90 cpm)	D102 (110 cpm)	D103 (135 cpm)
Average Monthly Volume	100K/month	190K/month	300K/month
Max. Monthly Volume	1,000,000/month		
PM Interval	500K		
Drum Yield	2,000,000		

Subject to change without notice

Specifications / Documentation

Configuration: Console.

Copy Process: Dry electrostatic transfer system.

Originals: Sheet/Book/Object.

Original Size: Max.: A3, 11" x 17".
Min.: A5, 5½ " x 8½ " (with ADF).

Original Alignment: Rear left corner (for platen mode, ADF mode).

Paper Weight:

Tray 1~3:	52 to 216 g/m2.
Tray 4~5(B832):	Bond: 16 to 40 lb.
Tray 4,6 (B834):	Cover: 50 to 80 lb.
Tray 7 (Bypass):	Index: 90 to 110 lb.
Tray 6 (B832):	52 to 163 g/m2. Bond: 16 to 40 lb. Cover: 50 to 60 lb. Index: 90 lb.
Tray 5 (B834):	52 to 216 g/m2. Bond: 16 to 40 lb. Cover: 50 to 60 lb. Index: 90 lb.
Duplex Tray (Possible Weight):	52 to 216 g/m2 Bond: 16 to 40 lb. Cover: 50 to 80 lb. Index: 90 to 110 lb.

Paper Size:

Tray 1 (Tandem):	8½ " x 11" LEF, A4 LEF.
Tray 2, Tray 3:	5½ " x 8½ " to 11" x 17", 12" x 18" A5 to A3.
Duplex Tray (Possible Sizes):	A5 to A3, 5½ " x 8½ " to 11" x 17", 12" x 18", 13 x 18.

Non-reproduction area:

Leading edge:	More than 4 ± 2 mm.
Trailing edge:	More than 2 ± 2/-1.7.
Left edge:	More than 2 ± 1.5 mm.
Right edge:	More than 2 ± 1.5 mm.

Reproduction Ratios: 7 reduction and 5 enlargement.

	Metric Version	Inch Version
Enlargement	400% 200% 141% 122% 115%	400% 200% 155% 129% 121%
Full Size	100%	100%
Reduction	93% 82% 75% 71% 65% 50% 25%	93% 85% 78% 73% 65% 50% 25%

Zoom: 25 ~ 400% (allows manual adjustment in 1% steps vertically, horizontally).

Image Density: Automatic, Manual (9 notches).

Subject to change without notice

Product Support Guide
Model D101/D102/D103

Copy Speed:

D101	90 ppm	Copying with image stored in memory with A4/LT LEF feeding from the same tray.
D102	110 ppm	
D103	135 ppm	

Note: The speed in this mode is 80 ppm for all three models. When using ADF 1-to-1 with A4/LT LEF magnification feeding from the same tray.

Copy Speed per paper size:

Paper Size	CPM		
	D101 (90 cpm)	D102 (110 cpm)	D103 (135 cpm)
5½ x 8½ LEF	90	110	135
5½ x 8½ SEF	90	110	135
8½ x 11 LEF	**90**	**110**	**135**
8½ x 11 SEF	70	84	103
8½ x 14 SEF	60	71	87
11 x 17 SEF	45	55	68

Resolution:

Scanning 600 dpi
Printing 1200 dpi

Grayscale (per pixel):

256 Levels Scanning: 8-bit/pixel.
Printing: 1-bit/pixcel 32 values.

Warm-up Time:

Less than 360 s from Off mode at 23°C (73.4°F).

First Copy Time:

Copy Tray 1, A4, 81/2" x 11" LEF.

	D101 (90 cpm)	D103 (110 cpm)	D103 (135 cpm)
Face-up	<3.5 s	<3.2 s	<3.0 s
Face-down	< 5.0 s	< 4.5 s	< 4 s

Multiple Copies:

Up to 9,999

Copy Paper Capacity (Sheets):

Unit	Total Sheets	Trays
Copier	**3,000**	Tray 1: (Tandem) **1000** x 2 Tray 2: **500** Tray 3: **500**
LT LCT (B832)	**4,550**	Tray 4: **1,000** Tray 5: **1,000** Tray 6: **2,550**
DLT LCT (B834)	**4,000**	Tray 4: **1,000** Tray 5: **2,000** Tray 6: **1,000**
Bypass (B833)	**500**	Tray 7: **500**

Subject to change without notice

Memory Capacity: RAM; 256 MB (128 x 2) Standard.
512 MB (128x2, 256x1) (Optional, Required for Scanner/Printer Option).
HDD; 320 GB (160 GB x2), approximately 1,735 copies.

Toner Replenishment: Cartridge exchange (1,650 g/cartridge).

Toner Yield: 60 K copies, (A4 LEF, 6% chart).
D101 (90 cpm) 1 to 25 Repeat Copying.
D102 (110 cpm), 1 to 50 Repeat Copying.
D103 (135 cpm), 1 to 100 Repeat Copying.

Weight: Less than 299 kg (136 lb.) including ADF, and no options.

ADF			
Original Size:	Normal Original Mode:	A3 to B5, 11" x 17"	to 5½ " x 8½ "
	Thin Original Mode	A3 to B5, 11" x 17"	to 5½ " x 8½ "
	Duplex Original Mode:	A3 to B5, 11" x 17"	to 5½ " x 8½ "
Original Weight:	Normal Original Mode:	52 ~ 128 g/m2 **(Note 1)**	
	Thin Original Mode	40 ~ 128 g/m2 **(Note 1)**	
	Duplex Original Mode:	52 ~ 105 g/m2 **(Note 2)**	
Table Capacity:	100 sheets (80 g/m2, 20 lb)		
Original Feeding Speed:	80 cpm (A4/8½ " x 11 " LEF, 1 to 1)		
Original Standard Position:	Rear left corner (Face-up)		
Separation:	FRR		
Original Transport:	One flat belt		
Original Feed Order:	From the top original		
Power Source:	DC24V ± 10%, DC38V ± 10%, DC5V ± 5% (from the copier)		
Power Consumption:	Less than 130 W		
Dimensions (W x D x H):	680 x 560 x 150 mm (26.8 " x 22 " x 5.9 ")		
Weight	Less than 17.5 kg (38.5 lb.)		

Note 1: 156 g/m2 possible, but not guaranteed.
Note 2: 128 g/m2 possible, but not guaranteed.

Options

Z-Folding Unit ZF4000 (B660)	
Paper Size	
No Folding (52-300 g/m2)	A3, A4, A5, A6 SEF, B4, B5, B6 SEF 11” x 17”, 8½”x14”, 8½”x11” SEF, 5½”x 8½”, 12” x 18”
Folding (64-80 g/m2)	A3, B4, A4 SEF 11” x 17”, 8½”x14”, 8½”x11” SEF, 12” x 18”
Dimensions (W x D x H)	177 x 620 x 960 mm 7 x 24.5 x 37.8 in.
Weight	Less than 55 kg (121 lb.)
Power Consumption	100W max.
Power Supply	120 V, 60 Hz, 1A

11 x 17 Tray Kit TK5000 (B331)	
Paper Size	A3 SEF, B4 SEF, 11”x17” SEF, 8½”x14” SEF, A4 SEF, A4 LEF, 8½”x11” SEF, 11”x 8½” LEF, 305 mm x 439 mm
Paper Weight	52 ~ 163 g/m2
Tray Capacity	1,000 sheets
Remaining Paper Detection	5-Step: 100%, 75%, 50%, 25%, End

Subject to change without notice

LCIT RT5000 (B832)		
Speed	D101 (90 cpm)	420 ~ 555 mm/s
	D102 (110 cpm)	500 ~ 720 mm/s
	D103 (135 cpm)	630 ~ 985 mm/s
Paper Feed System:	FRR-CF (no air-knife separation)	
Tray Capacity:	Tray 1, 2	1,000 sheets (Paper thickness: 0.11 mm)
	Tray 3	2,550 sheets (Paper thickness: 0.11 mm)
Paper Weight	Tray 1, 2	52 to 216 g/m2
	Tray 3	52 to 163 g/m2
Paper Size	Tray 1,2,3	A5 LEF, A5 SEF, 5½"x8½" LEF, B5 LEF, 5½ "x 8½" SEF, A4 LEF, 8½" x 11" LEF
Paper Size Switching	Tray 1, 2	Fixed position side, end fences, adjusted for other paper sizes by the operator.
	Tray 3	Fixed position side, end fences, adjusted by service technician.
Anti-Condensation Heater	Available as option	
Dimensions (W x D x H)	540 x 730 x 980 mm (21.3 x 28.7 x 38.6 in.)	
Weight	Less than 88 kg (193.6 lb.)	
Power Source	DC 24 V ±10% (from copier)	
Power Consumption:	Less than 132 W	
I/F	Serial	
Tab Sheet:	Feed possible from Tray 4 or Tray 5. Requires installation of tab sheet fence. **Note: Only A4 LEF, 8½" x 11" LEF tab sheets can be fed.**	
Remaining Paper Detection:	5-Step including Near-End for Trays 4, 5, 6	

LCIT RT5010 (B834)		
Speed	B234 (90 cpm)	420~555 mm/s
	B235 (110 cpm)	500~720 mm/s
	B236 (135 cpm)	630~985 mm/s
Paper Feed System:	Tray 1, 2, 3	FRR-CF
Tray Capacity:	Tray 1, 3	1,000 sheets (Paper thickness: 0.11 mm)
	Tray 2	2,000 sheets (Paper thickness: 0.11 mm)
Remaining Paper Detection (Accuracy: ±30 sheets)	5-Step including Near-End for Trays 4, 5, 6	
Paper Weight	Tray 1, 3	52 to 216 g/m2
	Tray 2	52 to 300 g/m2
Paper Size	Tray 1,2,3	A5 to A3
		5½"x 8½" to 13" x 18"
Paper Size Switching	Side fence, end fence adjustment.	
Paper Size Detection	Automatic	
Anti-Condensation Heater	Available as option	
Dimensions (W x D x H)	880 x 730 x 980 mm (33.5 x 28.7 x 38.6 in.)	
Weight	Less than 165 kg (363 lb.)	
Power Source	DC 24 V ±10% (from copier)	
Power Consumption:	Less than 150 W	
I/F	Serial	
Tab Sheet:	Feed possible from all trays. Requires installation of tab sheet fence. **Note: Only A4 LEF, 8½" x 11" LEF tab sheets can be fed.**	

Punch Unit PU5000 (B831)	
Punch Hole Positions	2/3-hole
Punch Paper Size	
2-Hole (NA)	A6 ~ A3 SEF, 11" x 17" ~ 5 ½" x 8½" SEF A5 ~ A4 LEF, 8 ½" x 11" LEF, 5½" x 81½" LEF
3-Hole (NA)	A3 SEF, B4 SEF, 11" x 17" SEF A4 LEF, B5 LEF, 8½" x11" LEF
Paper Weight	
2-Hole (NA)	52 g/m2 ~ 163 g/m2
3-Hole (NA)	52 g/m2 ~ 163 g/m2
Punch Waste Hopper Capacity	
2-Hole (NA)	10K
3-Hole (NA)	10K
Operation Modes	All (Shift, Proof, Staple)

Multi Bypass Tray BY5000 (B833)		
Speed	D101 (90 cpm)	420 ~ 555 mm/s
	D102 (110 cpm)	500 ~ 720 mm/s
	D103 (135 cpm)	630 ~ 985 mm/s
Paper Feed System	FRR-CF	
Tray Capacity	500 sheets (Paper thickness: 0.11 mm)	
Paper Weight	52 ~ 216 g/m2	
Paper Size	A5 LEF, A5 SEF to A3 SEF, HLT LEF	
	HLT SEF to 13”x18” SEF	
Paper Size Switching	Operator adjustable side fences allow variety of paper sizes	
Paper Size Detection	Automatic (standard sizes only)	
Anti-Condensation Heater	No	
Remaining Paper Detection	4-Step: Including Near-End (Accuracy ± 50)	
Weight	Less than 18 kg (39.6 lb).	
Power Source	24 Vdc (from Copier), 5 Vdc (from LCT)	
Power Consumption	Less than 50 W	
Dimensions (W x D x H)	710 x 560 x 210 mm (30 x 22 x 8.3 in.)	
Tab Sheets	A4 LEF, 8½” x 11” LEF (requires attachment of tab fence)	

The Bypass Tray is mounted on the top of either the LT LCT B832 or DLT LCT B834

Cover Inserter CI5000 (B835)		
Speed	D101 (90 cpm)	432 mm/s
	D102 (110 cpm)	515 mm/s
	D103 (135 cpm)	649 mm/s
Paper Separation	FRR System with Feed Belt	
Paper Sizes	Width: A5 SEF/5½” x 8½” SEF ~ 13”	
	Length: A5 LEF/5½” x 8½” LEF ~ 19”	
Paper Weight	64 ~ 216 g/m2	
Capacity	400 sheets (80 g/m2) (2 trays 200 sheets each)	
Paper Size Detection	Yes	
Paper Size Switching	Operator adjustable side fences	
Side Registration	Yes	
Power Supply	24 V ± 5% (from mainframe)	
Power Consumption	Less than 50 W	
Dimensions (W x D x H)	Less than 540 x 730 x 1200 mm	
	21.2” x 28.7” x 47.2”	
Weight	Less than 45 kg (99 lb.)	

Subject to change without notice

Finisher SR5000 (B830)				
UPPER TRAY				
Paper Capacity (80 g/m2)		500 sheets (A4, 8½" x 11" and smaller)		
		250 sheets (B4, 8½" x 14" and larger)		
Paper Size		A3 to A6 SEF, B6 SE, 11" x 17" to 5½" x 8½", 12" x 18", 13" x 19"		
Paper Weight		52 to 216 g/m2		
Upper Tray Full Detection		Provided		
SHIFT TRAY				
Paper Capacity (80 g/m2)		3000 sheets (A4 LEF, B5 LEF, 8½" x 11" LEF)		
		1500 sheets (A3, A4 SEF, B4 and B5 SEF, 11" x 17" SEF, 8½" x 14", 8½" x 11"		
		1000 sheets 12" x 18"		
		500 sheets (A5 LEF, 5½" x 8½" LEF)		
		100 sheets (A5 SEF, 5½" x 8½" SEF)		
Paper Size		A3 to A5, 11" x 17" to 5½" x 8½", 12" x 18" (including tab paper)		
Paper Weight		52 to 300 g/m2		
Shift Tray Full Detection		Provided		
STAPLER				
Stapling Stack Size		A4, B5, 8½" x 11" (Max. 100 Sheets) A3, B4, 11" x 17", 8½" x 14" (Max. 50 sheets)		
Stapling Paper Size		A3 to B5, 11" x 17" to 8½" x 11"		
		Z fold paper	A3, B4, 11" x 17"	
Stapling Paper Weight			64 to 90 g/m2	
		Z fold paper	64 to 80 g/m2	
Staple Position		4 Modes		
		1 Staple: Front, Rear, Rear-Oblique		
		2 Staples: 2 Locations		
Staple Capacity		5000 staples/cartridge		
Staple Supply		Cartridge or Staple Replacement		
Stapled Stack Size		**Sheets**	**Sets**	**Sizes**
	No Folding	10 ~ 100	200 ~ 30	A4 SEF, B5 SEF, 8½" x 11" SEF A4 LEF, B5 LEF, 8½" x 11" LEF
		2 ~ 9	150	
	Folding	10 ~ 50	150 ~ 30	A3, B4, 11" x 17", 8½" x 14"
		2~9	150	
		Sheets	**Sets**	**Sizes**
		1 ~ 10	30 ~ 3	A3 Z fold + A4, B4 Z fold + B5 11" X 17" Z-Fold + 8½" x 11"
Staple Trim Waste Capacity		15,000 or more		
Waste Staple Hopper Full Detection		Provided		
Power Consumption		Less than 120 W		
Power Source		DC 24 V (From Mainframe)		
Size (W x D x H)		800 x 730 x 980 mm 31.5 x 28.7 x 38.6 in.		
Weight		Less than 75 kg (165 lb).		

Note: Stapling & hole punching cannot be combined when using the GBC StreamPunch III to a punch job. Stapling & punching is supported only with the PU5000.

Note: In order to use the punch option with the D103 (135 ppm model), SP 6-980-001 must be enabled and the "Optimum for thick paper" mode must be enabled in User Tools. When the "Optimum for thick paper" mode is enabled, the maximum productivity of the machine will drop to 110 ppm.

Booklet Finisher BK5000 (B836) General			
Paper Size	A4 SEF, A3 SEF, B5 SEF, B4 SEF, DLT SEF, LG, 12” x 18”		
Paper Weight	64 g/m²-90 g/m², 17 lb Bond-24 lb Bond		
Staple Position	Center (x2)		
Booklet staples	2,000 staples per cartridge		
Booklet Staple Capacity	All sizes	**Sheets**	**Sets**
		2 to 5	30
		6 to 10	15
		11 to 15	10
Single Sheet Fold	Yes		
Dimension W x D x H	600 x 730 x 980 mm (23.6 x 30 x 38.6”)		
Weight	Less than 70 kg		
Power Consumption	Less than 100 W		
Configuration	Console type attached base-unit		
Power Supply	24 V (from mainframe)		

Booklet Staple Paper Specifications

Paper Size	Plain Paper			Paper Type	
	Copier PPC	Used Paper	Recycled Paper	Colored Paper	Translucent Blueprint
A3 SEF	●	✖	●	●	
B4 SEF	●		●	●	
A4 SEF	●		●	●	
A4 LEF	●		●	●	
B5 SEF	●		●	●	
B5 LEF	●		●	●	
A5 SEF		✖	✖	✖	✖
A5 LEF		✖	✖	✖	✖
B6 SEF		✖	✖	✖	✖
B6 LEF		✖	✖	✖	✖
12” x 18” SEF	●	✖	●	●	✖
11” x 17” SEF	●	✖	●	●	
8½” x 14”	●	✖	●	●	
8½” x 11” SEF	●	✖	●	●	
8½” x 11” LEF	●	✖	●	●	
5½” x 8½”		✖	✖		✖
5½” x 8½”		✖	✖		✖

● Booklet stapling/folding, Shift Yes
✖ Not available

Subject to change without notice

Perfect Binder Inserter (D391)		
Feed System	Automatic Paper Feed	
Trays	Two. Tray A (upper), Tray B (lower)	
Cover Setting	Face-up stacking	
Feed	Top to bottom	
Transport Mode	Simplex	
Cover Paper Type	Standard PPC, Color Paper, Coated Paper. Paper type mixing not recommended	
Cover Size	Standard:	A4 SEF, A4 LEF, B5 SEF, B5 LEF, LT SEF, LT
		LEF, EXE SEF
	Width	257 to 330.2 mm
	Length	182 to 487.7 mm
	Recommended	13”x19.2”, 13”x19”, 13”x18”, A3, B4
Tray A, B Capacity	Up to 200 covers (80 g/m2) Maximum stack thickness: 24 mm	
Paper Weight	64 g/m2 to 300 g/m2	
Paper Positioning	Center aligned	
Paper Size Detection	Width	Adjustable slide-fence contact sensors Tray A, Tray B: 1 sensor each
	Length	Pulse count photo-sensors
Dimensions (w x d x h)	621 x 679 x 213 mm (24.5 x 26.7 x 8.4 in.)	
Weight	Approximately 17 kg (37.4 lb.)	
Power Supply	DC 24V (supplied from host machine via Perfect Binder)	
Power Consumption	Less than 103 W (maximum at operation)	

Perfect Binder GB5000 (D391)			
Paper Positioning	Center aligned		
Delivery	Face-down		
Signature Thickness	10 to 200 sheets (64 to 80 g/m2) 10 to 150 sheets (81 to 105 g/m2) Max. thickness: Up to 23 mm (0.9 in.)		
Paper Size	Signature	Width: 182 to 228.6 mm Length: 257 to 320 mm	
	Cover	Width: 257 to 330.2 mm Length: 364 to 487.7 mm	
Paper Thickness	Signature	64 to 163 g/m2	
	Cover	90 to 300 g/m2	
Finished Size	Width	139.7 mm to 216 mm	
	Length	201 to 297 mm	
Trimming Range	Top	6 to 28 mm	
	Bottom	6 to 28 mm	
	Fore Edge	6 to 40 mm	
Recommended Cover/Signature Size Ratios			
	Target	Signature	Cover
	A4	SR A4	13”x19.2”
		(225 x 320 mm)	13”x19” 13”x18”
			SRA3 (320x450 mm)
	B5	A4	A3
	A5	B5	B4
	LT	9”x12”	13”x19.2” 13”x19”
Trimming Modes	3 cuts: Bottom, top, fore edge 1 cut: Fore edge (Limit: 297 mm) No cut		
Downstream Delivery	Straight-through, no binding		
	Size	Width: 98.4 to 330.2 mm Length: 139.7 to 500 mm	
	Paper Weight	52 to 300 g/m2	
Book Output Tray	Max.: 25 mm (80 g/m2) Book door locked during operation		
Warm-up Time	Less than 380 sec. (6.3 min.)		
Glue Capacity	Glue vat 380 g (continuous pellet supply) Approximately A4 to B5 100 books		
Trimmings Box Capacity	More than 15 books Approx. A4 to B5 of 100 sheets each, 80 g/m2		
Dimensions (W x D x H)	1090 x 791 x 1387 mm (43 x 31 x 53.5 in.)		
Weight	335 kg (737 lb.)		
Power Supply	NA: 208 60 Hz		
Power Consumption	Less than 623 W (with inserter)		

Ring Binder RB5000 – D392			
Configuration	Console		
Paper Transport	Centered in paper path		
Operation Modes	Punching + ring binding		
	Punching only		
	Straight-through (downstream delivery)		
Signature Thickness	2 to 100 sheets		
Paper Size	Punching, binding	A4 LEF, LT LEF	
	Straight-through (no punching)		
	Unfolded	A6 to A3 SEF, DLT, HLT, 12”x18”, 13”x19”, 12.6”x19.2”, 13”x19.2”, Tab sheets (A4, LT, LG)	
	Z-Folded	A3, B4, A4 SEF, DLT, LG, LT SEF 12”x18” (from upstream Z-Folder unit).	
Paper Weight	64 to 216 g/m2		
Ring Sizes	2 (50-sheet, 100-sheet)		
Punching	A4 LEF: 23 holes LT LEF: 21 holes		
Ring Supply	Cartridge feed: capacity: 80 rings max.		
Output Tray Capacity	11 documents (100-ring bound, A4 SEF)		
	Thickness	**Ring**	**On Tray**
	2 to 10	50	25
	11 to 50	50,100	20
	51 to 100	100	11
Punching Only	Up to 50 Sheets		
Dimensions	870 x 730 x 980 mm (34.3 x 28.7 x 38.6 in.)		
Weight	140 kg (308 lb.)		
Power Consumption	Less than 400W		

Scanner	
Items	**Specifications**
Resolution:	100 / 150/200 / 300 / 400 / 600 dpi (Default =200dpi) 100 – 1200 dpi (Twain: B/W) 100 – 1200dpi (Twain: Color)
Scan Speed: (A4, 200dpi)	BW: 80 spm FC: 80 spm
Max. Scan area	297mm x 432mm
sRGB Support	Yes
Network Interface:	Ethernet 10/100BaseTX, Giga Ethernet IEEE 1394, Wireless LAN (802.11b)
Protocol:	Network: TCP/IP Sending E-mail: SMTP, POP3 Scan to Folder: SMB, FTP, NCP
File Format	TIFF (Multi/Single), JPEG, PDF (Multi/Single) High compression PDF (Multi/Single)
Scan Type	BW TEXT/LINE ART BW TEXT, BW Text/Photo, BW Photo, BW Grayscale, FC Photo, FC Text-Photo
Image Density	Auto Density Selection Manual: 7 levels
Thin paper mode	Yes
SADF / Batch Mode:	Yes
Mixed Size Mode:	Yes

Scan to E-mail			
Requirement:		SMTP Gateway and TCP/IP	
Authorization		SMTP POP before SMTP	
Resolution:		100dpi, 150dpi, 200dpi (Default), 300dpi, 400dpi, 600dpi	
MAX E-mail address# in HDD:		2,000 addresses	
Register Group address in HDD:		Max. 500 addresses Minimum 100 Addresses in One Group Address	
Maintain E-mail address in HDD:		Direct input on operation panel, Web Image Monitor, Smart Net Monitor	
Input of destination E-mail address via soft key:		Possible, Max. 100 destinations per job	
Search E-mail address in HDD:		By name and E-mail address	
LDAP Search:		Yes	
Max. address numbers per send:		Max. 500 addresses per send *1	
Address numbers per send:		Address from HDD address book *1	Max. 500
		Address directly input via soft key *1 *2	Max. 100
		Address looked up via LDAP *1 *2	Max. 100
Attention:		To, cc, bcc	
Subject:	Manual Input	Max. 128 Characters via soft key	
	Pre-register by user	22 subjects. Max. 20 Characters per a subject	
Body Message:	Manual Input	Max. 80 Characters via soft key	
	Pre-register by user	This function is implemented as pre-register function.	
	Preset	Message: “This e-mail included attached file sent from xxxx (machine model name).”	
E-mail Size (with restriction):		64 –102,400KB, Default = 2,048KB	
E-mail Size (w/o restriction):		725MB	
File type:		Single Page TIFF/JPEG, Single Page PDF, Multi Page TIFF, Multi Page PDF, High-compression PDF	
Program User Setting:		Yes (up to 10 programs)	
Divide and send e-mail:		Yes (By page or size) / No, Default = Yes (By size)	
Resend:		Yes / No, Default = Yes	

*1: Address from HDD address book + Address input via soft key + Address looked up via LDAP = Max.500.
*2: Address directly input via soft key + Address looked up via LDAP = Max. 100.

Scan To Folder	
Protocol Support:	SMB (Server Message Block), FTP (File Transfer Protocol), NCP
Security:	Client folder log-in (log-in name and password) Encryption of log-in name and password during transmission
Resolution:	100dpi, 150dpi, 200dpi (Default), 300dpi, 400dpi, 600dpi
Register client folder address in HDD:	Max. 2,000 folders
Maintain client folder address in HDD:	Direct input on operation panel, Web Image Monitor, Smart Net Monitor
Destination client folder address input via soft key:	Yes SMB: Network path -> User account -> Password FTP: Server -> Network path -> User account -> Password NCP: Network path - > User Account->Password->Bindary or NDS
Search client folder:	SMB: Browsing directly to the designated folders FTP: By client folder name NCP: Browsing directly to the designated folders
Max. client folder numbers per send:	Max. 50 client folders / PCs per send
Destination Combination:	Please refer to 10-4-4.
Group address:	Max. 100 destinations (To Folder: 50, To E-mail: 100) (*1) e.g. 100 destinations 50 folders included >>>OK 100 destinations 51 folders included>>>Failure
Input Subject:	No
Scan File Size:	Up to 2000 MB
File Size when combined Scan to Folder & Scan to E-mail:	64 –102,400kB, Default = 2,048KB (With restriction) 725MB (Without restriction) (Scan to E-mail file size applied).
File type:	Single Page TIFF/JPEG, Single Page PDF, Multi Page TIFF, Multi Page PDF, High-compression PDF
Program User Setting:	Yes (up to 10 programs)
Dividing file in Scan to E-mail:	Yes (By page or size) / No, Default = Yes (By size) (When Scan to PC combine with Scan to E-mail)
Resend:	Yes / No, Default = Yes

(*1) User can send to Max. 100 destinations in the same group. But the number of folders has to be less than 50, since Max. folder destinations are 50. If there are more than 50 folder destinations registered in the Group address, a warning message appears.

Max. address numbers per sending (combination between E-mail and Folder)				
	Input via	**Condition 1: Max Address can select or input**	**Condition 2: Max. Address allow in single operation**	**Condition 3: Combination of addresses: Max.**
Scan to E-mail	Address book	500	500	550
	Manual input	100		
Scan to Folder	Address book	50	50	
	Manual input	50		

Network TWAIN Driver	
OS:	Windows 95, 98/98SE, ME Windows NT Server4.0 (SP5 or later), 2000, Server 2003 Windows XP, Vista
Resolution:	100 – 1200dpi (Black and White / Grayscale) 100 – 1200*dpi (Full Color) *1200dpi: A6 and smaller
Scan Mode:	Standard / Photo / OCR / Filing
Image Adjustment:	Brightness / Contrast / Threshold / Gamma Adjustment / Halftone Pattern
Stamp:	Date / Page Number / Text
Endorse:	Supported

Document Server	
Items	**Capability**
HDD Capacity	160GB x2
Maximum stored documents	3,000 documents
HDD capacity for Document Server	131250 MB
Maximum pages per documents	2,000 page (STD) 5,000 pages (SP setting)
Maximum pages of all stored documents	15,000 sheets

Subject to change without notice

Printer Controller			
CPU			Intel Celeron LV 866MHz
RAM	Standard		Standard: 512MB (with additional 256MB Option)
Hard Disk Drive			Standard 320GB (160GB x 2) RAID
PDL	Standard		RPCS, PCL6, PCL5e
	Option		Adobe PostScript 3
Continuous Print Speed	Max.		135ppm/110ppm/90 ppm
Print Resolution	Max.		1200 (dpi)
Fonts	Standard		PCL: Truetype: 10 fonts, Intelli: 35 fonts, Bitmapped: 1 font , International fonts: 13 Intellifonts (Note)
	Option		PS3: 136 Adobe Type 1 fonts
Connectivity	Host Interface	Standard	Ethernet (RJ-45: 100BASE-TX/10BASE-T) USB 2.0
		Option	IEEE1284 Type C (Note 1) IEEE1394 x 2 port (Note 1) Wireless LAN Interface (IEEE802.11b) (Note 1) Gigabit Ethernet (Note 2) Bluetooth (Note 1) USB Host Note1: Only one of these option can be installed. Note2: Gigabit Ethernet is to be replaced together in combination USB interface with the standard Ethernet and USB interface.
	Network Protocol		TCP/IP, IPX/SPX, SMB, Ether Talk (Auto Switching)
	MIB support	Standard MIB	MIB-II(RFC1213), HostResource (RFC1514), PrinterMib (RFC1759)
		Private MIB	Ricoh Original
	Network/Operating Systems		Windows 2000, XP, Vista, Server 2003
			Netware 3.12, 3.2, 4.1, 4.11, 5.0, 5.1, 6, 6.5
			Unix: Sun Solaris 2.6 / 7 / 8 / 9 /10 HP-UX 10.X / 11.x / 11i v2 SCO OpenServer 5.0.6 / 5.0.7 / 6.0 RedHat Linux6.x / 7.x / 8.x / 9 / Enterprise IBM AIX V4.3/5L V5.1, V5.2, V5.3
			Mac OS 8.6 – 9.2.X (OS X Classic) Mac OS 10.1 or Later*1 (Mac OS X v10.5 included)

MFP Supported Environments

Windows Environments					
OS	**Type**	**PCL5e**	**PCL6**	**RPCS**	**PostScript3**
Windows 2000	Professional	Y	Y	Y	Y *1
	Server	Y	Y	Y	Y *1
	Advanced Server	Y *2	Y *2	Y *2	Y *1
	Datacenter Server	N	N	N	N
Windows XP	Professional	Y	Y	Y *3	Y *1
	Home Edition	Y	Y	Y *3	Y *1
Windows Server 2003	Standard Edition	Y	Y	Y *2	Y *1
	Enterprise Edition	Y *2	Y *2	Y *2	Y *1
	Datacenter Edition	N	N	N	N
	Web Edition	N	N	N	N
Windows Vista	Home Basic	Y	Y	Y	Y *4
	Home Premium	Y	Y	Y	Y *4
	Business	Y	Y	Y	Y *4
	Ultimate	Y	Y	Y	Y *4
	Enterprise	Y	Y	Y	Y *4

Remarks
*1: Adobe does not release PS driver for Windows 2000 and XP. Only MS-PostScript driver is available and PPD file for MS-PS is included in the Driver CD.
*2: Cluster Server configuration is not supported.
*3: RPCS driver does not support “Fast User Switching” functions of Windows XP.
*4: Adobe does not release PS driver for Windows Vista. Only MS-PostScript driver is available and PPD file for the driver is included in the Driver CD-ROM.

Subject to change without notice

Point & Print				
Window OS		**Drivers**		
Server	**Client**	**PCL5e/6**	**RPCS**	**PS**
Windows Server 2003	Vista	Y	Y	Y
	XP	Y	Y	Y
	W2K Pro	Y	Y	Y
Windows XP Professional	Vista	Y	Y	Y
	XP	Y	Y	Y
	W2K Pro	Y	Y	Y
Windows 2000	Vista	Y	Y	Y
Professional, Server &	XP	Y	Y	Y
Advanced Server	W2K Pro	Y	Y	Y
NT4.0 Workstation & Server (Intel)	Vista	No	No	No
	XP	No	No	No
	W2K Pro	Y	No	No

Terminal Service and Citrix MetaFrame			
Server	**Driver**		
	PCL5c/6	**RPCS**	**PS**
Windows Server 2003	Y	Y	Y
Windows 2000 Server	Y	Y	Y
Win 2003 Servers + MetaFrame	Y	Y	Y
Win 2000 Servers + MetaFrame	Y	Y	Y
Win 2003 Servers +	Y	No	Y
Citrix PresentationServer4.0			
Win 2000 Servers +	Y	No	Y
Citrix PresentationServer4.0			
Win 2003 Servers +	Y	No	Y
Citrix PresentationServer4.5			
Win 2000 Servers +	No	No	No
Citrix PresentationServer4.5			

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Mac OS Environment		
	PostScript3	**Printer Utility for MAC**
Mac OS 8.6 or later, Mac OS X classic	Yes	Yes
Mac OS X Native : v. 10.1 or later *1 *3	Yes	Yes*2

*1: Mac OS X v.10.0.X is not supported.
*2: Mac OS X v.10.2.0 is not supported.
*3: Mac OS X v.10.5 is included

Unix Environment	
Unix Platforms	**Version**
Sun Solaris	2.6 / 7 / 8 / 9 /10
HP-UX	10.x / 11.x /11iv2
Red Hat Linux	6.x / 7.x / 8.x / 9.x / Enterprise
SCO OpenServer	5.0.6 /5.0.7/6.0
IBM AIX	V4.3 & 5L Version 5.1/5.2 /5.3

Above specification and schedule are subject to change. Please refer to release announcement of Unix Filter for details.

Novell Netware		
Netware Server	Supported Version	Netware 3.12 / 3.2 / 4.1 / 4.11 / 5.0 / 5.1 / 6.0/6.5
	Client OS	Windows 95 / 98 / Me / NT4.0 / 2000 / XP (Professional)

SAP R/3 Environment (Device Type / Barcode & OCR Package)		
Supported environments	R/3 version	3.x or later, mySAP ERP2004 or later
	Platform	Independent
	PDL	PCL5e/PCL 5c
	Character Set	Latin 1 (Western Europe), Latin 2 (Eastern Europe), Unicode 3.0
	Localization	English only
Supported features	i.e: Input/Output Bin, Duplex, Stapling, Punching, Resolution, Collation, EconoMode/TonerSaving, Smoothing, Page Protect, Auto Tray Change/Opt Tray select	
Supported Barcode & OCR Fonts* (* BOP is procured locally.)	Barcode Fonts (Support Latin 1 only)	Code 128, Code 39, Code 93, Codabar, 2 of 5 interleaved/Industrial/Matrix, MSI, USPS, UPC/EAN
	OCR Fonts	OCR A, OCR B

Above specification and schedule are subject to change. Please refer to release announcement of SAP device type for details.

Subject to change without notice

Printer Driver Specifications					
Features	**PCL 5e/ 6**	**RPCS**	**PostScript3**		
			Windows 2000/XP/Vista	**Mac OS 8.6-9.2**	**Mac OSX**
Send to Job Binding	Y	Y	N	N	N
Send to Document Server	Y	Y	Y	Y	Y*1
Sample Print	Y	Y	Y	Y	Y*1
Locked Print	Y	Y	Y	Y	Y*1
Hold Print	Y	Y	Y	Y	Y*1
Stored Print	Y	Y	Y	Y	Y*1
Stored Print (Shared)	Y	Y	N	N	N
Store and Print	Y	Y	Y	Y	Y*1
Store and Print(Shared)	Y	Y	N	N	N
Reduce/Enlarge (Zoom/Scaling)	Y*2	Y	Y	Y	Y
Fit to Paper size	Y	Y	Y	Y	Y
Unauthorized Copy Control	N	Y	N	N	N
Layout (N-up)	Y	Y	Y	Y	Y
Poster	N	Y	N	Y	N
Duplex	Y	Y	Y	Y	Y
Booklet1	N	Y	N	N	N
Booklet2 (Magazine)	Y	Y	Y	N	N
Non-Reduction Booklet	Y	Y	N	N	N
Watermark	Y	Y	Y	Y	Y
Overlay	N	Y	N	N	N
Header/Footer	N	Y	N	N	N
Adjust image position	N	Y	N	N	N
Binding Margins	N	Y	N	N	N
Shift Image to Edge/Corner	N	Y*3	N	N	N
Creep for Booklet 2	N	Y	N	N	N
Imposition Setting (Speed , double)	N	Y	N	N	N
Crop Mark	N	Y	N	N	N
Collate	Y	Y	Y	Y	Y
Punch	Y	Y	Y	Y	Y
Staple	Y	Y	Y	Y	Y
Z-Folding	Y	Y	Y	Y	Y
Cover sheet (Front Cover)	Y	Y	N	N	N
Back Cover	Y	Y	N	N	N
Front and Back Cover	Y	Y	N	N	N
Slip Sheet	Y	Y	N	N	N

Printer Driver Specifications					
Chaptering	Y	Y	N	N	N
Designated Sheet Print	N	Y	N	N	N
Tab Shift Printing	Y	Y	N	N	N
Rotate by 180 degrees	Y	Y	Y	N	N
Reverse Order Print	N	Y	Y	Y	Y
Do not print Blank pages	Y*4	Y	N	N	N
Dithering	Y	Y	Y	Y	Y
Edge Smoothing	Y	Y	Y	Y	Y
Toner Saving	Y	Y	Y	Y	Y
Quality	N	Y	N	N	N
Speed	N	Y	N	N	N
User ID	Y	Y	Y	Y	Y*1
User Code	Y	Y	Y	Y	Y*1
User Authentication	Y	Y	N	N	N
Encryption/Encoding	Y	Y	N	N	N
User Defined Pages	Y	N	N	N	N
Mirror Image Print	N	N	Y	Y	N
Negative Image Print	N	N	Y	Y	N
Edge to Edge Print	Y	Y	Y	Y	Y
Limitation setting	Y	Y	N	N	N
Ring Binding	Y*5	Y	Y	Y	Y
Perfect Binding	Y*5	Y	Y	Y	Y

Y: supported
N: not supported

*1: Available with MAC OS X 10.2 or later.
*2: “Centering” feature cannot be selected from PCL driver. However PCL has this feature as the original function. When printing with Reduce/Enlarge (Zoom) feature of PCL driver, output is automatically centered by PCL original centering function.
*3: “Reduce/Enlarge Centering” is not available though, “Shift Image to Edge/Corner” can be used as substitute for “Reduce/Enlarge centering”.
*4: This feature cannot be selected from printer driver. This is enabled by PCL Menu in the User Tool, which is access from MFP main unit.
*5: This feature cannot be selected from PCL5e driver. PCL6 driver only.

Utility Software

Software	Description
For GW Controller Font Manager	This software enables you to use screen fonts.
Smart Device Monitor for Admin	This software enables you to manage and monitor printers and other devices over the network.
Desk Top Binder – Smart Device Monitor for Client	This software enables you to access networked printers to print, monitor or to receive notifications. With Desk Top Binder Lite you can connect client computers to I/O devices enabling you to efficiently manage data.
Device Graphic Update Module	Device Graphic Update Module provides bitmap images used to represent the various statuses of devices graphically within Smart Device Monitor or Web Smart Device Monitor. Available on website.
Printer Utility for Mac	This is a utility for Macintosh that provides access to several network printing administrative features.
PS Descriptions	PPD for Mac By interacting with the Adobe PostScript 3 controller in the device, this PPD is able to produce an accurate representation of the screen image.
Mac OS X PPD Installer	This PPD installer is used to install a PPD (Postscript Printer Description) file on Mac OSX. PPD files contain descriptions of printer capabilities such as paper sizes, number of input trays and duplexing. Once the PPD file is installed on the system using the PPD installer, the PS driver that comes bundled with Mac OS X can use the information in the PPD to control the print device and enable full functionality. It supports the Mac OS X 10.1 or later. Please see the Readme file for information about compatibility with versions of Mac OS X.
RPCS Driver	Printer driver for Windows: It is optimized for the Windows GDI. High performance printing can be expected. Regularly used settings can be saved as a “one-click icon” in the driver interface. These settings can be reused easily by clicking the icon.
PCL 6 Driver	Printer driver for B/W printing in Windows. It supports HP PCL XL commands and is optimized for the Windows GDI. High performance printing can be expected.
PCL 5e Driver	Printer driver for printing in Windows. It supports HP PCL 5e commands.

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Counters

Electronic Total Counter Access:

- The counter can be displayed on the Operation Panel Screen by pressing the Counter Key on the Operation Panel. (Total Counter limit is 8 digits) The info on the screen can also be printed out by pressing the Total Counter List button displayed on the screen.
- The Technician can view the Total Counter by entering SP8999-1 in SP mode.
- The counter info on SP 8999-1 can be printed out along long with other Logging Data with SP 5990-4.

Mechanical Counter Access:

- A mechanical counter is located under the left front inner cover above the fusing unit. (Total Counter limit is 7 digits)

Paper

Recommended Throughput Material and Special Paper

Not Applicable

Non Recommended Throughput Material

Refer to pages in the Operators Instructions Hardware Guide.

Do not use any of the following kinds of paper or a fault might occur:

- Paper for inkjet printers
- Thermal fax paper
- Art paper
- Aluminum foil
- Carbon paper
- Conductive paper
- Paper with perforated lines
- Hemmed paper
- Envelopes

Do not copy on the side of paper that has been already copied onto, or misfeeds might occur or a fault might occur.

To prevent misfeeds, do not use the following kinds of paper:

- Bent, folded, or creased paper
- Perforated paper
- Slippery paper
- Torn paper
- Rough paper
- Thin paper with low stiffness
- Paper with a dusty surface

If you copy onto rough grain paper, the image might be blurred.

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Firmware Information

Firmware

SD Card Firmware	Firmware File Name as Posted	RFG E-Source Number
B830 Finisher	B830_Finisher_vxxx_Sdcard.zip	rfg032104
B835 Cover Interposer	B835_CoverInterposer_vxxx_Sdcard.zip	rfg032105
B836 Booklet Finisher	B836_Booklet Finisher_vxxx_Sdcard.zip	rfg032106
D391 Perfect Binder	D392_Perfect Binder_B1_vxxx_Sdcard.zip	rfg034065
	D392_Perfect Binder_B2_vxxx_Sdcard.zip	rfg034066
	D392_Perfect Binder_B3_vxxx_Sdcard.zip	rfg034067
	D392_Perfect Binder_B4_vxxx_Sdcard.zip	rfg034068
	D392_Perfect Binder_B5_vxxx_Sdcard.zip	rfg034069
D392 Ring Binder	D392_Ring Binder_B1_vxxx_Sdcard.zip	rfg034057
	D392_Ring Binder_B2_vxxx_Sdcard.zip	rfg034058
Animation	D101_Animation_vxxx_Sdcard.zip	rfg033656
Engine	D101_Engine_vxxx_Sdcard.zip	rfg033657
Language	D101_Language_vxxx_Sdcard.zip	TBA
LCDC	D101_Lcdc_vxxx_Sdcard.zip	rfg033660
NCS	D101_Ncs_vxxx_Sdcard.zip	rfg033659
Netfile	D101_Netfile_vxxx_Sdcard.zip	rfg033658
Printer	D101_Printer_vxxx_Sdcard.zip	rfg033662
PS3	D101_Ps_vxxx_Sdcard.zip	rfg033661
Scanner	D101_Scanner_vxxx_Sdcard.zip	rfg033663
System	D101_System_vxxx_Sdcard.zip	rfg033664
Web System	D101_ Websys_vxxx_Sdcard.zip	rfg033665
WebUapl	D101_Webuapl_vxxx_Sdcard.zip	rfg033666

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Remote Firmware	Firmware File Name as Posted	RFG E-Source Number
B830 Finisher	B830_Finisher_vxxx _Remote.zip	rfg032137
B835 Cover Interposer	B835_Cover Interposer_vxxx _Remote.zip	rfg032138
B836 Booklet Finisher	B836_Booklet Finisher_vxxx _Remote.zip	rfg032139
D391 Perfect Binder	D392_Perfect Binder_B1_vxxx_Remote.zip	rfg034070
	D392_Perfect Binder_B2_vxxx_Remote.zip	rfg034071
	D392_Perfect Binder_B3_vxxx_Remote.zip	rfg034072
	D392_Perfect Binder_B4_vxxx_Remote.zip	rfg034073
	D392_Perfect Binder_B5_vxxx_Remote.zip	rfg034074
D392 Ring Binder	D392_Ring Binder_B1_vxxx_Remote.zip	rfg034060
	D392_Ring Binder_B2_vxxx_Remote.zip	rfg034059
Animation	D101_Animation_vxxx _Remote.zip	rfg033667
Engine	D101_Engine_vxxx _Remote.zip	rfg033668
Language	D101_Language_vxxx_Remote.zip	TBA
LCDC	D101_ Lcdc_vxxx _Remote.zip	rfg033669
NCS	D101_Ncs_vxxx _Remote.zip	rfg033670
Netfile	D101_Netfile_vxxx _Remote.zip	rfg033671
Printer	D101_Printer_vxxx_Remote.zip	rfg033673
PS3	D101_Ps3_vxxx_Remote.zip	rfg033674
Scanner	D101_Scanner_vxxx _Remote.zip	rfg033675
System	D101_System_vxxx _Remote.zip	rfg033676
Web System	D101_Websys_vxxx _Remote.zip	rfg033677
WebUapl	D101_Webuapl_vxxx _Remote.zip	rfg033678

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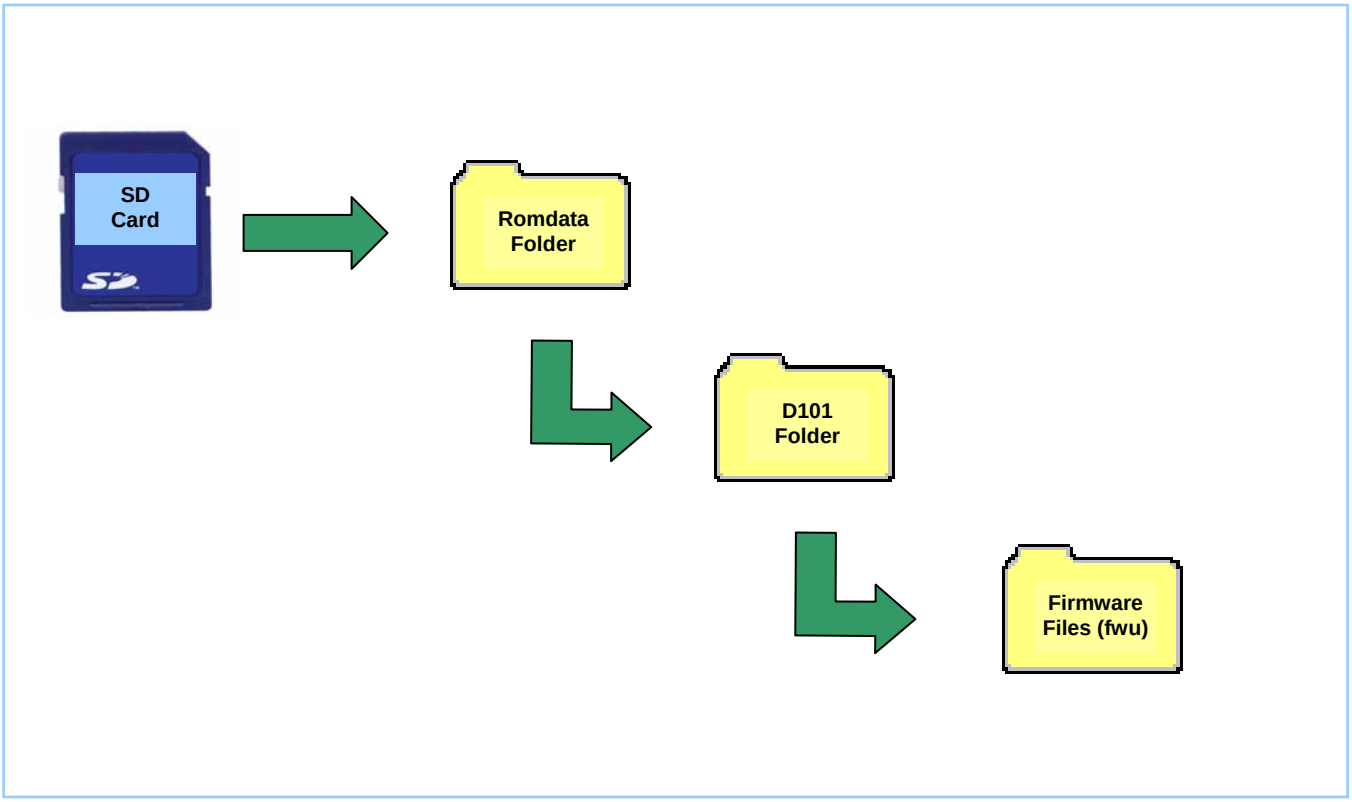
SD Card Arrangement



Contact Information

Name	Contact
Technical Services Call Center (Hotline)	Ricoh: (800) 537-4264 Savin/Gestetner: (800) 291-6044 Lanier: (800) 333-3147
Application Help Desk (Software Issues)	Ricoh Phone Card: 2 Call - 000781MIU, 5 Call – 000900MIU Savin Phone Card: 2 Call – 12992, 5 Call – 12993
Parts and Logistics Control	(800) 557-4264 http://www.hytecrepair.com/
Technology Solutions Center Web Site	http://www.tscweb.net
Headquarter Web Sites	Ricoh Corporation: http://www.ricoh-usa.com Savin Corporation: http://www.savin.com Gestetner Corporation: http://www.gestetnerusa.com/ Lanier Corporation: http://www.lanier.com
Material Safety Data Sheets	(800) 336-MSDS (6737)
Ricoh University	973-882-2200. http://www.ricohuniversity.com

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Training Information

Documentation

Ricoh University has established three certification methods for the new Pro Series and its new finishing options:

- Service professionals certified on the current Ricoh high volume systems (**B234/B235/B236**) will be automatically certified on the new Pro Series engines and all accessories—***except*** *the BK5010 Production Booklet Maker, the Perfect Binder GB5000 (D391) and the Ring Binder RB5000 (D392)*—upon receipt and review of the **D101/B234 Series service documentation update package**. Softcopy of the components in this package will be available for download from RFG-eSource.

- Service professionals who are **not eligible for automatic certification** must attend Ricoh University's five-day **D101/B234 Series instructor-led course** (replaces the Segment 5/6 Service Training V1.0 course), which will provide certification on the new Pro Series. All predecessor engines (85, 90, 105, 110, and 135 ipm) and all common accessories in the family will be included. *However, this course* ***will not provide certification*** *on the BK5010 Production Booklet Maker, the Perfect Binder GB5000 (D391) or the Ring Binder RB5000 (D392).*

- All service professionals seeking certification on the BK5010 Production Booklet Maker, the Perfect Binder GB5000 (D391) or the Ring Binder RB5000 (D392), *including service professionals who are eligible for automatic certification on the new Pro Series,* **must attend one or both of the following instructor-led courses:**

  - Three-day Perfect Binder & Ring Binder course.
  - Two-day Plockmatic Finishing (BK5010 Booklet Maker) course.

Description	EDP Code	RFG E-Source Number
B234/B235/B236/D101/D102/D103 Service Manual	002671MIU	rfg022590
B234/B235/B236/D101/D102/D103 Parts Catalog	002672MIU	rfg022591
B234/B235/B236/D101/D102/D103 Point to Points	002673MIU/002670MIU/001600MIU	rfg022722
D101/D102/D103 Operating Instruction Manual	-	rfg033366

Please refer to the http://www.ricohuniversity.com/ web site for the most up to date training information.

Please be aware that once a model or series is out of production, the Field Service Manual, Technical Service Bulletins and Ricoh University should be referenced for the most current information. Check the TSC website and e-source.

Subject to change without notice

Product Support Guide
Model D101/D102/D103

Revisions

V 1.0 - Original
V 1.1 - Updated order numbers pages 2 & 3.
- Added Lanier order numbers for Ring Binder & Perfect Binder Supplies page 4.
- Added Service Doc info page 48.
V1.2 - Corrected scanner resolution page 33.
- Corrected pre-register by user function page 34.
- Corrected scan file size Page 35.
- Added firmware info page 45.
- Added Operator Instruction Info page 47.
V1.3 - Corrected Hot roller comments on PM table page 18.
V1.4 - Updated firmware info page 45 & 46.
V1.5 - Added BTU info page 15.

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